



Driver Instructions

Anthem | MRX Series | MRX-SLM | IP | Version 1.0

Introduction & Manufacturer Profile

Anthem's award-winning MRX Series of high-end multi-channel A/V receivers are known the world over for their excellent sound quality, efficient power handling, and the ease with which they integrate into an entertainment system. The MRX Series is packed with exclusive audio innovations like Anthem Room Correction (ARC) Technology and Advanced Load Monitoring (ALM) Technology, 4K Pass-Through with fast HDMI switching and more

This driver provides full control of the MRX-SLM over IP.

Version History

Version 1.0 - Date

- Initial Release

Driver Features

The driver controls all the main features of the device, and provides full feedback for all the relevant commands and information.

It also provides feedback and control for streaming services including AirPlay and Spotify Connect.

System Requirements & Prerequisites

RTI System Requirements

- Integration Designer: 11.3 or later.
- XP FW: 22.3.31 or later.

Manufacturer's Device Requirements

- Although some commands/features may work with other MRX devices, this driver will only work correctly with the MRX-SLM.

Driver Configuration

Driver

- Driver Settings
 - For Device Name – Give the device a name.
 - For IP Address – Enter the device IP Address here
 - For Port – Enter the configured port here, Default is 14999.
 - For Volume Type – Set to either Percentage (0-100) or dB (-90 – 10)
 - For Total Inputs – Enter the number of configured Inputs you are using.
 - For Input (1-30) – Enter the Input Name here.
 - For Speaker Profiles – Enter the names you have configured for each Profile.
- Template Page Name:
 - Default: Anthem MRX-SLM
 - Secondary: Music Player

Device Configuration

For IP - Make sure the device has either a static IP or an address reservation in your router.

For RS232 – Make sure the baud rate is set to the same as the driver.

Tags

This driver uses the following non-standard tags. For default tags, reference the master tag list.

Tag Name	F/V	Function Usage	Variable Usage
Device Name	V		Displays Device Name
Model	V		Displays Model
Software Version	V		Displays Software Version
Hardware Version	V		Displays Hardware Version
Region	V		Displays Device Region
Serial Number	V		Displays Device Serial Number
Software Build Date	V		Displays Software Build Date
PSU Temperature	V		Displays Current PSU Temperature
HDMI Temperature	V		Displays Current HDMI Board Temperature
Input 1 - 30	F/V	Selects the corresponding Input	Goes True when Input is Selected
Listening Mode	V		Displays the Current Listening Mode
Listening Mode: None	F/V	Selects the None Listening Mode	Goes True when Active – Has Text Tag for button name
Listening Mode: Automatic	F/V	Selects the Automatic Listening Mode	Goes True when Active – Has Text Tag for button name
Listening Mode: AnthemLogic Cinema	F/V	Selects the AnthemLogic Cinema Listening Mode	Goes True when Active – Has Text Tag for button name
Listening Mode: AnthemLogic Music	F/V	Selects the AnthemLogic Music Listening Mode	Goes True when Active – Has Text Tag for button name
Listening Mode: Dolby Surround	F/V	Selects the Dolby Surround Listening Mode	Goes True when Active – Has Text Tag for button name
Listening Mode: All Channel Stereo	F/V	Selects the All Channel Stereo Listening Mode	Goes True when Active – Has Text Tag for button name
Listening Mode: Mono	F/V	Selects the Mono Listening Mode	Goes True when Active – Has Text Tag for button name
Listening Mode: All Channel Mono	F/V	Selects the All Channel Mono Listening Mode	Level Feedback
Subwoofer	F/V	Sets the Subwoofer Level	Level Feedback
Fronts	F/V	Sets the Fronts Level	Level Feedback
Center	F/V	Sets the Center Level	Level Feedback
Surrounds	F/V	Sets the Surrounds Level	Level Feedback
Heights	F/V	Sets the Heights Level	Level Feedback
LFE	F/V	Sets the LFE Level	Level Feedback

Audio Input Channels	V		Displays Current Audio Input Channels
AIC: No Input	V		Goes True when Active
AIC: Other	V		Goes True when Active
AIC: Mono	V		Goes True when Active
AIC: 2 Channel	V		Goes True when Active
AIC: 5.1 Channel	V		Goes True when Active
AIC: 7.1 Channel	V		Goes True when Active
AIC: Dolby Atmos	V		Goes True when Active
AIC: DTS-X	V		Goes True when Active
Audio Input Name	V		Displays Current Audio Input Name
Audio Input Format	V		Displays Current Audio Input Format
AIF: No Input	V		Goes True when Active
AIF: Analog	V		Goes True when Active
AIF: PCM	V		Goes True when Active
AIF: Dolby	V		Goes True when Active
AIF: DSD	V		Goes True when Active
AIF: DTS	V		Goes True when Active
AIF: Dolby Atmos	V		Goes True when Active
AIF: DTS-X	V		Goes True when Active
Audio Input Rate Name	V		Displays Current Audio Input Bit Rate Name
Audio Input Bit Rate	V		Displays Current Audio Input Bit Rate
Audio Input Bit Depth	V		Displays Current Audio Input Bit Depth
Audio Input Sampling Rate	V		Displays Current Audio Input Sampling Rate
Repeat One	F/V	Sets the Repeat One mode	Goes True when Active
Shuffle Repeat One	F/V	Sets the Shuffle Repeat One Mode	Goes True when Active
Repeat All	F/V	Sets the Repeat All Mode	Goes True when Active
Shuffle Repeat All	F/V	Sets the Shuffle Repeat All Mode	Goes True when Active
Current Surround Matrixing Mode	V		
Surround Matrixing Mode: Surround	F/V	Sets the Surround Matrix Mode	Goes True when Active
Surround Matrixing Mode: Front (Bi-Amp)	F/V	Sets the Front (Bi-Amp) Matrix Mode	Goes True when Active
Surround Matrixing Mode: Front In-Ceiling	F/V	Sets the Front In-Ceiling Matrix Mode	Goes True when Active
Surround Matrixing Mode: Front Dolby	F/V	Sets the Front Dolby Matrix Mode	Goes True when Active
Surround	F/V	Sets the Front On-Wall Matrix	Goes True when Active

Matrixing Mode: Front On-Wall		Mode	
Surround Matrixing Mode: Middle In-Ceiling	F/V	Sets the Middle In-Ceiling Matrix Mode	Goes True when Active
Surround Matrixing Mode: Back In-Ceiling	F/V	Sets the Back In-Ceiling Matrix Mode	Goes True when Active
Surround Matrixing Mode: Back On-Wall	F/V	Sets the Back On-Wall Matrix Mode	Goes True when Active
Current Language			Displays the current language
Language: English	F/V	Sets the System to this Language	Goes True when Active
Language: Chinese	F/V	Sets the System to this Language	Goes True when Active
Language: German	F/V	Sets the System to this Language	Goes True when Active
Language: Spanish	F/V	Sets the System to this Language	Goes True when Active
Language: French	F/V	Sets the System to this Language	Goes True when Active
Language: Italian	F/V	Sets the System to this Language	Goes True when Active
Standby HDMI Bypass	F/V	Toggles the HDMI Bypass Setting	Goes True when Active
Standby HDMI Bypass Disable	F/V	Disables the HDMI Bypass Setting	Goes True when Active
Standby HDMI Bypass Enable	F/V	Enables the HDMI Bypass Setting	Goes True when Active
CEC Control	F/V	Toggles the CEC Control Setting	Goes True when Active
CEC Control Disable	F/V	Disables the CEC Control Setting	Goes True when Active
CEC Control Enable	F/V	Enables the CEC Control Setting	Goes True when Active
CEC Power Off Control	F/V	Toggles the CEC Power off Setting	Goes True when Active
CEC Power Off Control Disable	F/V	Disables the CEC Power off Setting	Goes True when Active
CEC Power Off Control Enable	F/V	Enables the CEC Power off Setting	Goes True when Active
HDMI Audio to TV	F/V	Toggles the HDMI Audio to TV Setting	Goes True when Active
HDMI Audio to TV Disable	F/V	Disables the HDMI Audio to TV Setting	Goes True when Active
HDMI Audio to TV Enable	F/V	Enables the HDMI Audio to TV Setting	Goes True when Active
Input (1-30): ARC	F/V		Goes True when Active
Input (1-30): Speaker Profile	V		Displays the current Active Speaker Profile for the Input
Input (1-30): Speaker Profile 1	F/V	Enables the Speaker Profile for Input (1-30)	Goes True when Active
Input (1-30): Speaker Profile 2	F/V	Enables the Speaker Profile for Input (1-30)	Goes True when Active
Input (1-30): Speaker Profile 3	F/V	Enables the Speaker Profile for Input (1-30)	Goes True when Active

Input (1-30): Speaker Profile 4	F/V	Enables the Speaker Profile for Input (1-30)	Goes True when Active
Input (1-30): Audio Input			Displays the current Active Audio Input for the Input
Input (1-30): No Audio	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): HDMI Audio	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): HDMI eARC Audio	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Digital Audio	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Analog Audio	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Streaming Audio	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Bluetooth Audio	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Video Input	V		Displays the current Active Video Input for the Input
Input (1-30): Video Input None	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Video Input HDMI	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Dolby Post Off	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Dolby Post Movie	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Dolby Post Music	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Dolby Post Night	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Speaker Virtualization	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): DDRC Off	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): DDRC On	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): DDRC Auto	F/V	Sets the Setting for Input (1-30)	Goes True when Active
Input (1-30): Lip Sync	F/V	Sets the Lip Sync Level	Level Feedback

Events

This driver supports the following events.

Event Name	Event Trigger	Notes
Connected	Triggers when a connection is made with the device	
Disconnected	Triggers when device is disconnected	
Power On	Triggers when device powers on	
Power Off	Triggers when device powers off	
Mute On	Triggers when device is Muted	
Mute Off	Triggers when device is Unmuted	
Input (1-30) Active	Triggers when Input is changed	
Playing	Triggers when Play is Active when Streaming	
Stopped	Triggers when Stop is Active when Streaming	
Next Track Pressed	Triggers when Next is Pressed when Streaming	
Previous Track Pressed	Triggers when Previous is Pressed when Streaming	
Resolution Change	Triggers when a specific Resolution is Active	
Audio Input Channels	Triggers when specific Input Channels are Active	
Audio Input Format	Triggers when a specific Audio Input Format is Active	

System Testing

Integration Designer: 11.4.1

XP Processor Model: XP-8v

XP Processor Firmware: 22.3.31

Device Model(s): MRX-SLM

Support Contact

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